

CONTENTS OF VOLUME 314

Number 1, August 1, 2007

Simple groups and strong covers	1
John K. McVey	
Ergodipotent maps and commutativity of elements in noncommutative rings and algebras with twisted intertwining	17
Lars Hellström and Sergei D. Silvestrov	
Groups of order $4p$, twisted wreath products and Hopf–Galois theory	42
Timothy Kohl	
Enumerating big orbits and an application: B acting on the cosets of Fi_{23}	75
Jürgen Müller, Max Neunhöffer, and Robert A. Wilson	
On functors associated to a simple root	97
Volodymyr Mazorchuk and Catharina Stroppel	
On the finite-dimensional irreducible representations of $PSL_2(\mathbb{Z})$	129
Melinda G. Moran and Matthew J. Thibault	
Curves with prescribed period and index over local fields	157
Shahed Sharif	
On zero-divisor graphs of finite rings	168
S. Akbari and A. Mohammadian	
Smooth varieties of almost minimal degree	185
Euisung Park	
Defining relations for automorphism groups of free algebras	209
U.U. Umirbaev	
On Lie solvable restricted enveloping algebras	226
Salvatore Siciliano	
Existence varieties of regular rings and complemented modular lattices	235
Christian Herrmann and Marina Semenova	
Algèbre de Clifford d'un antiautomorphisme	252
Anne Cortella	
Morita equivalences induced by bimodules over Hopf–Galois extensions	267
Stefaan Caenepeel, Septimiu Crivei, Andrei Marcus, and Mitsuhiro Takeuchi	
Coalgebras of words and phrases	303
Vladimir Turaev	
On a factorization of graded Hopf algebras using Lyndon words	324
M. Graña and I. Heckenberger	
Factorization of complete ideals in normal birational extensions in dimension two	344
Jesús Fernández-Sánchez	
Linearity defects of face rings	362
Ryota Okazaki and Kohji Yanagawa	

On module categories over finite-dimensional Hopf algebras	383
Nicolás Andruskiewitsch and Juan Martín Mombelli	
Twisting commutative algebraic groups	419
B. Mazur, K. Rubin, and A. Silverberg	
Extended Nakajima monomials and crystal $\mathcal{B}(\infty)$ for finite simple Lie algebras	439
Hyeonmi Lee	
Non-self-injective injective hulls with compatible multiplication	471
Victor Camillo, Ivo Herzog, and Pace P. Nielsen	
Two determinants in the universal enveloping algebras of the orthogonal Lie algebras	479
Minoru Itoh	

Number 2, August 15, 2007

Dlab's theorem and tilting modules for stratified algebras	507
Anders Frisk	
Affine Lie algebras and product–sum identities	538
Naihuan Jing and Li-meng Xia	
p-Elementary subgroups of the Cremona group	553
Arnaud Beauville	
Some remarks on quantized Lie superalgebras of classical type	565
Nathan Geer	
Minimal connected simple groups of finite Morley rank with strongly embedded subgroups	581
Jeffrey Burdges, Gregory Cherlin, and Eric Jaligot	
Small bialgebras with a projection	613
A. Ardizzoni, C. Menini, and F. Stumbo	
Simple Lie algebras of small characteristic V. The non-Melikian case	664
Alexander Premet and Helmut Strade	
Fixed point ratios in actions of finite classical groups, III	693
Timothy C. Burness	
Fixed point ratios in actions of finite classical groups, IV	749
Timothy C. Burness	
Actions and coactions of finite quantum groupoids on von Neumann algebras, extensions of the matched pair procedure	789
Jean-Michel Vallin	
Cyclic algebras over p-adic curves	817
David J. Saltman	
Stable Hilbert series of $\mathcal{S}(\mathfrak{g})^K$ for classical groups	844
Jeb F. Willenbring	
Ideals in computable rings	872
Rodney G. Downey, Steffen Lempp, and Joseph R. Mileti	

Subspaces of computable vector spaces	888
Rodney G. Downey, Denis R. Hirschfeldt, Asher M. Kach, Steffen Lempp, Joseph R. Mileti, and Antonio Montalbán	
Relations in I^n and $I^n W_q$ in characteristic 2	895
Jón Kr. Arason and Ricardo Baeza	
Amalgams, blocks, weights, fusion systems and finite simple groups	912
Geoffrey R. Robinson	
Jordan algebras, exceptional groups, and Bhargava composition	924
Sergei Krutelevich	
The class number of an abelian group	978
Theodore G. Faticoni	
Class number of an abelian group	1009
Theodore G. Faticoni	